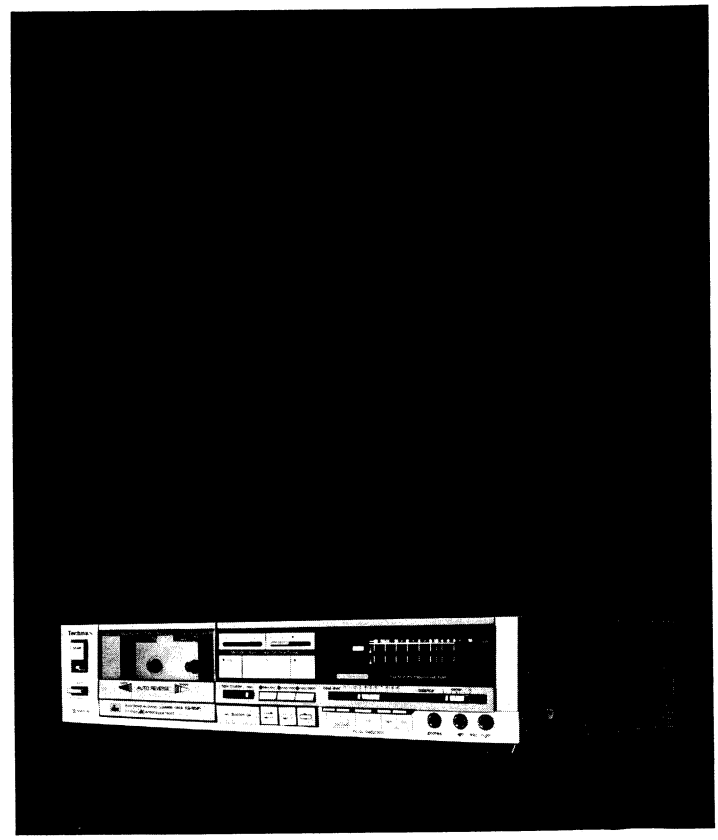
3367

Technics

TAPE DECK
MAGNETOCASSETTE

RS-B58R

OPERATING INSTRUCTIONS
MODE D'EMPLOI



RS-B58R in black is also available in some countries.
Le RS-B58R noir est également disponible dans certains pays.

Before operating this set, please read these instructions completely.
Avant de mettre l'appareil en service, lire le mode d'emploi jusqu'au bout.

330

IMPORTANT (For United Kingdom)

THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

BLUE; NEUTRAL **BROWN; LIVE**

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

*The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
*The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

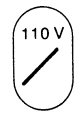
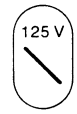
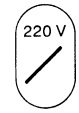
If a 13-amp (B.S. 1363) plug is used, a 3-amp fuse must be fitted, or if any other type of plug is used, a 5-amp fuse must be fitted either in the plug or adaptor or at the distribution board.

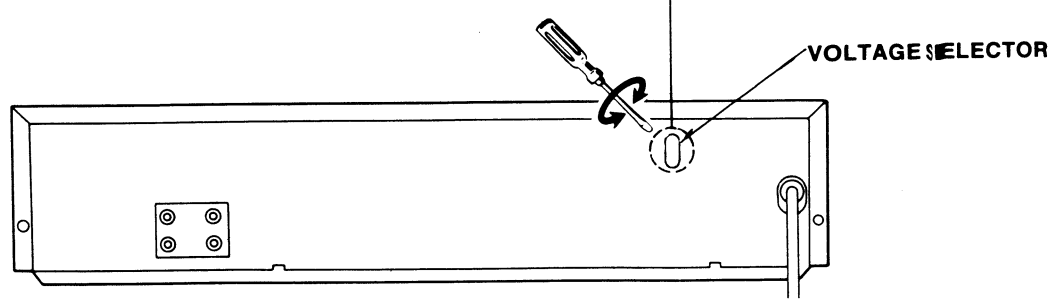
POWER VOLTAGE
TENSION
NETSPANNUNG

NETSPANNING
TENSIONE D'ALIMENTAZIONE
NÄTSPÄNNING

LYSNETSPÆNDING
AJUSTE DE LA TENSION

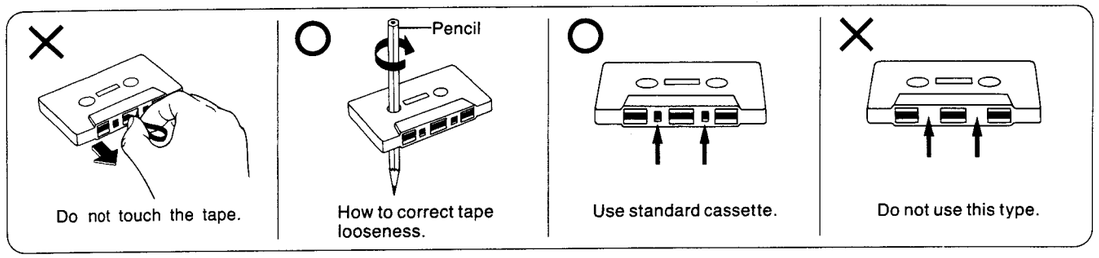
Europe: **AC 220 V, 50–60 Hz**
Australia: **AC 240 V, 50–60 Hz**
United Kingdom and other area: **Adjustable, preset power voltage 240 V (See table below).**

•SETTING OF VOLTAGE SELECTOR •REGLAGE DU SELECTEUR DE VOLTAGE •EINSTELLUNG DES SPANNUNGSWÄHLERS •STAND VAN DE NETSPANNINGS SELEKTOR •REGOLAZIONE DEL SELETTORE DEL VOLTAGGIO •INSTÄLLNING AV SPÄNNINGSVÄLJAREN •SPÆNDINGSVÆLGERENS STILLING •AJUSTE DEL SELECTOR DE VOLTAJE	 110 V	 125 V	 220 V	 240 V
•LOCAL VOLTAGE •TENSION LOCALE •ÖRTL NETSPANNUNG •PLAATSELIJKE NETSPANNING •TENSIONE LOCALE •LOKAL SPANNING •DEN STEDLIGE NETSPÆNDING • VOLTAJE LOCAL	AC: 100, 105, 110 V 50–60 Hz	AC: 115, 117, 120, 125 V 50–60 Hz	AC: 200, 210, 220 V 50–60 Hz	AC: 225, 230, 240, 250 V 50–60 Hz



1

- ABOUT CASSETTE TAPE
- LES CASSETTES
- DIE CASSETTE
- CASSETTE BAND
- NOZIONI CIRCA LE CASSETTE
- KASSETTBAND
- OM KASSETTEBÅND
- NOCIONES ACERCA DE LOS CASETES



2

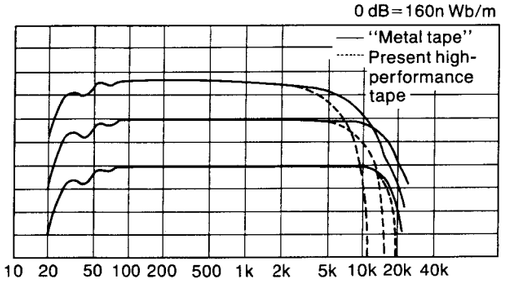
- TAPE SELECTOR SETTINGS FOR VARIOUS TAPES
- POSITION DU SELECTEUR DE BANDE POUR DIFFERENTES CASSETTE
- WAHLSCHALTERSTELLUNG FÜR VERSCHIEDENE CASSETTE
- STANDEN VAN DE BANDSOORTSELECTOR VOOR VERSCHILLENDE BANDSOORTEN
- POSIZIONI DEL SELETTORE DEL NASTRO PERIVARI TIPI DI CASSETTE
- BÅNDVÄLJARENS LÄGE FÖR OLIKA TYPER AV CASSETTE
- INDSTILLING AF BÅNDVÆLGEREN FOR FORSKELLIGE CASSETTETYPER
- POSICIONES DEL SELECTOR DE CINTA PARA DIVERSAS CINTAS

Tape indicator	Tape brand		Recording time
Normal	**Technics**	**XD**	C-60, C-90
	Technics	**LN**	C-60, C-90
	BASF	LHI	C-60, C-90
	BASF PROFESSIONAL I		C-60, C-90
	BASF	SLH	C-60, C-90
	FUJI	FX I	C-60, C-90
	MAXELL	UD	C-60, C-90
	MAXELL	UDXL I	C-60, C-90
	SONY	AHF	C-60, C-90
	TDK	AD	C-60, C-90
CrO_2	**Technics**	**XA**	C-60, C-90
	MAXELL	UDXL II	C-46, C-60
	SCOTCH	MASTER II	C-46, C-60
	TDK	SA	C-46, C-60
	FUJI	FX II	C-60
Metal	**Technics**	**MX**	C-60, C-90
	FUJI	SR	C-46, C-60, C-90
	MAXELL	MX	C-46, C-60, C-90
	SCOTCH	METAFINE	C-46, C-60, C-90
	SONY	METALLIC	C-46, C-60, C-90
	TDK	MA	C-46, C-60, C-90

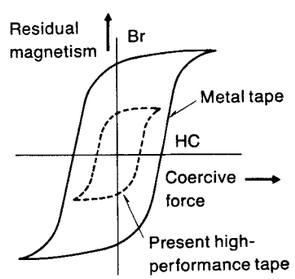
3

- METAL TAPE

- Metal tape frequency response example
- Exemple de courbe de réponse de la "Metal tape"
- Frequenzgang des "Metal tape"
- Voorbeeld van weergavekarakteristiek van "Metal tape"
- Esempio risposta di frequenza "Metal tape"
- Exempel på frekvensgång med "Metal tape"
- Frekvensgang for et "Metal tape"
- Ejemplo de respuesta de frecuencia de las cintas de metal

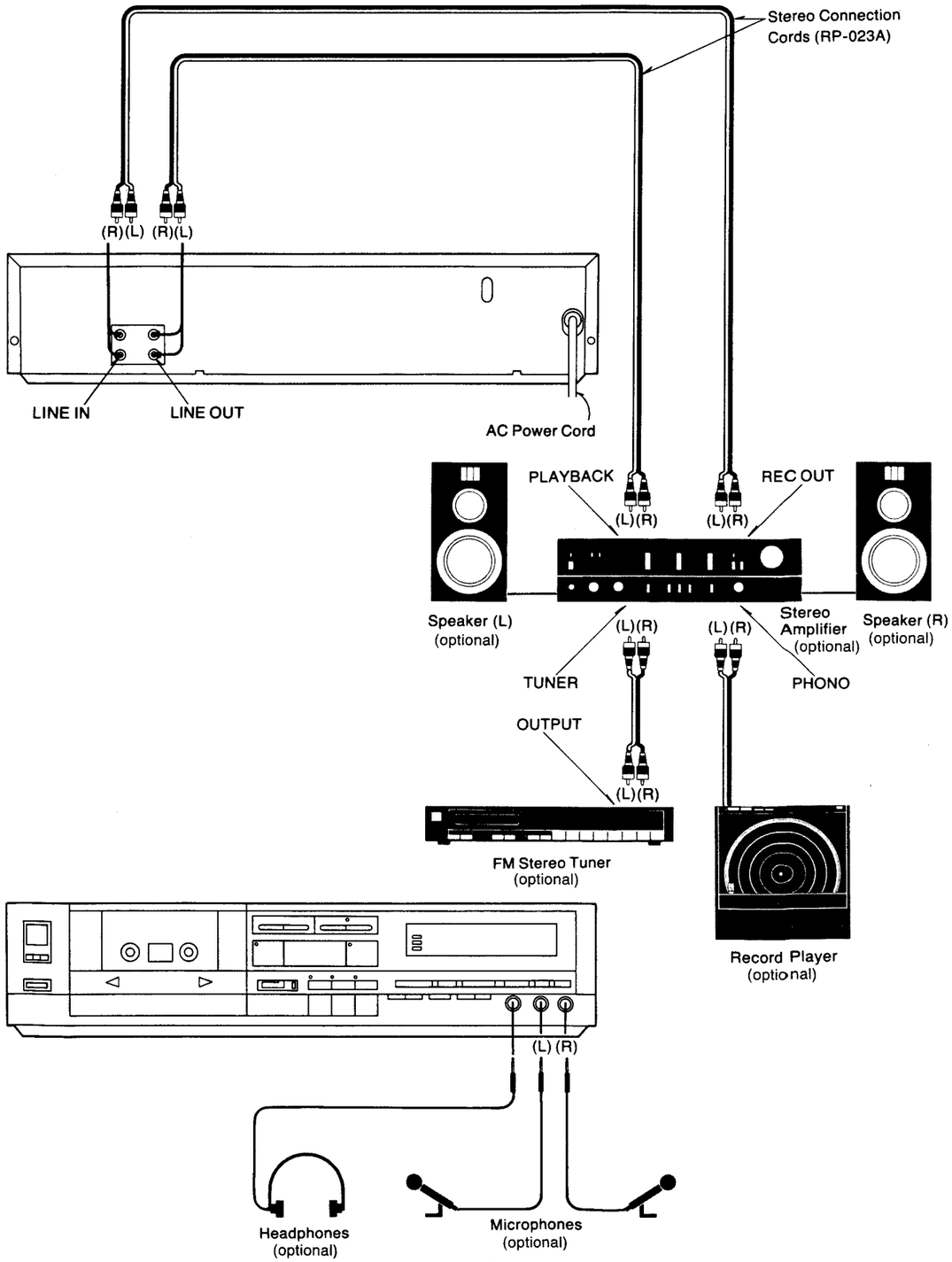


- Metal tape magnetic characteristics
- Caractéristiques magnétiques de la "Metal tape"
- Magnetisierungskennlinie des "Metal tape"
- Magnetische karakteristieken van de "Metal tape"
- Caratteristiche magnetico "Metal tape"
- Magnetisk karakteristik för "Metal tape"
- Magnetiske egenskaber ved "Metal tape"
- Características magnéticas de las cintas de metal



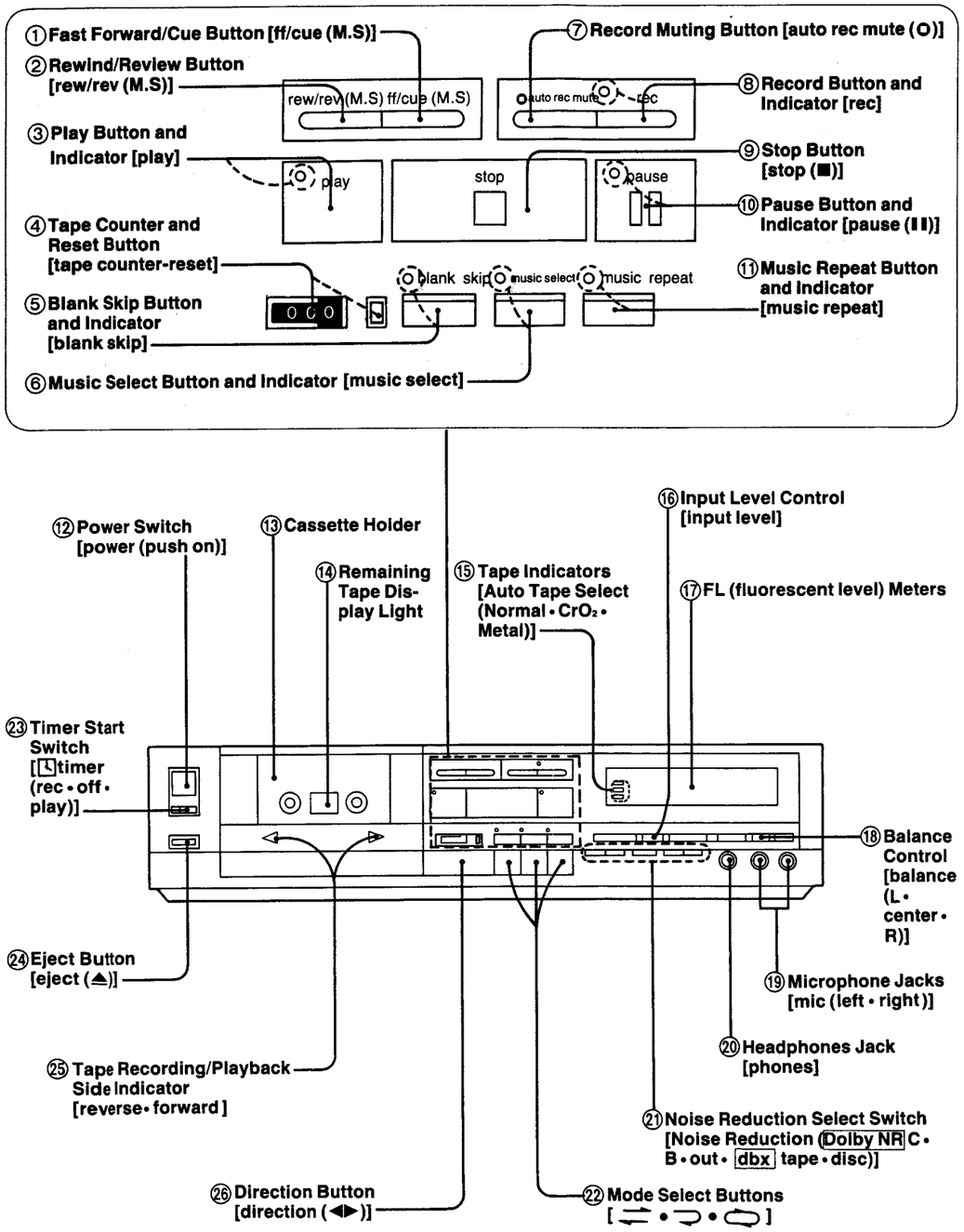
4

- CONNECTIONS
- CONNEXIONS
- ANSCHLÜSSE
- AANSLUITINGEN
- CONNESSIONI
- ANSLUTNINGAR
- TILSLUTNING
- CONEXIONES



5

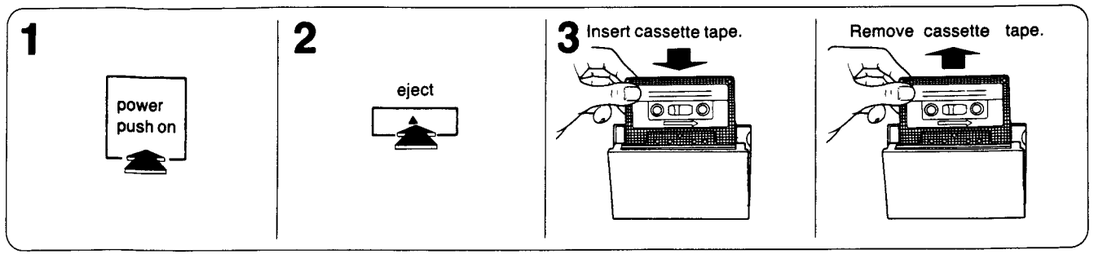
- ●CONTROLS
- ●LES COMMANDES
- ●BEDIENUNGSELEMENTE
- ●BEDIENINGSKNOPPEN
- ●CONTROLLI
- ●KONTROLLER
- ●BETJENING
- ●CONTROLES


①Fast Forward/Cue Button [ff/cue (M.S)]
②Rewind/Review Button [rew/rev (M.S)]
③Play Button and Indicator [play]
④Tape Counter and Reset Button [tape counter-reset]
⑤Blank Skip Button and Indicator [blank skip]
⑥Music Select Button and Indicator [music select]
⑦Record Muting Button [auto rec mute (O)]
⑧Record Button and Indicator [rec]
⑨Stop Button [stop (■)]
⑩Pause Button and Indicator [pause (II)]
⑪Music Repeat Button and Indicator [music repeat]
rew/rev (M.S) ff/cue (M.S)
auto rec mute
rec
play
stop
pause
blank skip
music select
music repeat
⑫Power Switch [power (push on)]
⑬Cassette Holder
⑭Remaining Tape Display Light
⑮Tape Indicators [Auto Tape Select (Normal • CrO₂ • Metal)]
⑯Input Level Control [input level]
⑰FL (fluorescent level) Meters
⑱Balance Control [balance (L • center • R)]
⑲Microphone Jacks [mic (left • right)]
⑳Headphones Jack [phones]
㉑Noise Reduction Select Switch [Noise Reduction (Dolby NR C • B • out • dbx tape • disc)]
㉒Mode Select Buttons [⇄ • ⊃ • ⊂]
㉓Timer Start Switch [timer (rec • off • play)]
㉔Eject Button [eject (▲)]
㉕Tape Recording/Playback Side Indicator [reverse • forward]
㉖Direction Button [direction (◀▶)]

Français 19
Deutsch 26
Nederlands 33
Italiano 40
Svenska 46
Dansk 52
Español 58

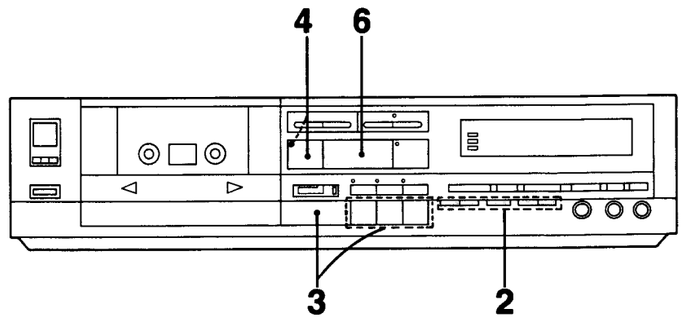
6

- ●CASSETTE INSERTION AND REMOVAL
- ●MISE EN PLACE ET ENLEVEMENT DES CASSETTES
- ●EINLEGEN UND ENTNEHMEN DER CASSETTEN
- ●INLEGGEN EN UITNEMEN VAN DE CASSETTE
- ●INSERZIONE DE ESPUSIONE DELLA CASSETTA
- ●ILÄGGNING OCH UTTAGNING AV KASSETTEN
- ●ISÆTNING OG UDTAGING AF KASSETTEN
- ●CARGA Y DESCARGA DEL CASETE



7

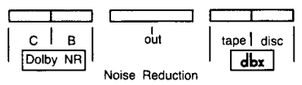
- ●PLAYBACK
- ●LECTURE
- ●WIEDERGABE
- ●WEERGAVE
- ●RIPRODUZIONE
- ●AVSPELNING
- ●AFSPILNING
- ●REPRODUCCION



1

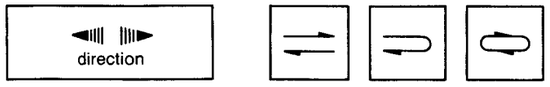
- ●Perform the operations in section 6.
- ●Effectuer les opérations de la Fig. 6.
- ●Die in Abb. 6. gezeigten Bedienungsvorgänge ausführen.
- ●Volg de aanwijzingen in Fig. 6.
- ●Effettuare le operazioni della Fig. 6.
- ●Förfar enligt Fig. 6.
- ●Betjen apparatet som vist på Fig. 6.
- ●Efectuar las operaciones indicadas en la Figura. 6.

2 Select noise reduction system.



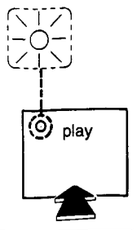
- ●See page 15.
- ●Voir page 22.
- ●Siehe Seite 29.
- ●Zie naar blad 36.
- ●Ved pag 43.
- ●Se sid 49.
- ●Se side 54.
- ●Véase en la pag 61.

3 Select the tape side and mode.

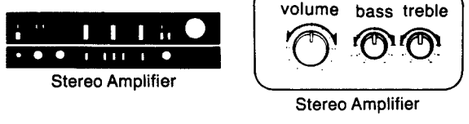


- ●See page 14.
- ●Voir page 20.
- ●Siehe Seite 27.
- ●Zie naar blad 34.
- ●Ved pag 41.
- ●Se sid 47.
- ●Se side 53.
- ●Véase en la pag 59.

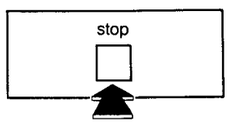
4



5 Adjust to desired listening levels.

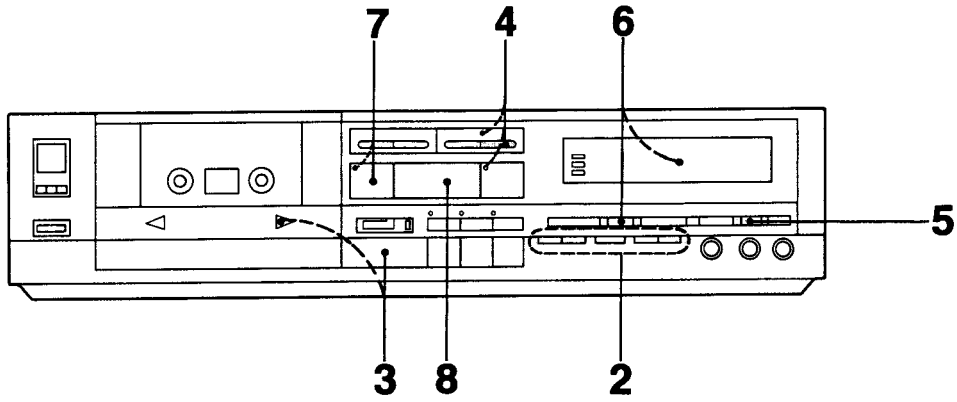


6



8

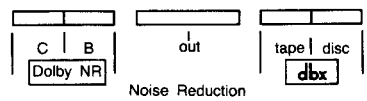
- **RECORDING**
- **ENREGISTREMENT**
- **AUFNAHME**
- **OPNAME**
- **REGISTRAZIONE**
- **INSPELNING**
- **OPTAGELSE**
- **GRABACION**



1

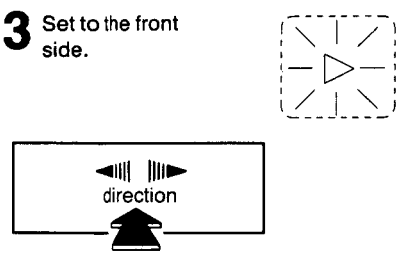
- Perform the operations in section 6.
- Effectuer les opérations de la Fig. 6.
- Die in Abb. 6. gezeigten Bedienungsvorgänge ausführen.
- Volg de aanwijzingen in Fig. 6.
- Effettuare le operazioni della Fig. 6.
- Förfar enligt Fig. 6.
- Betjen apparatet som vist på Fig. 6.
- Efectuar las operaciones indicadas en la Figura. 6.

2 Select noise reduction system.

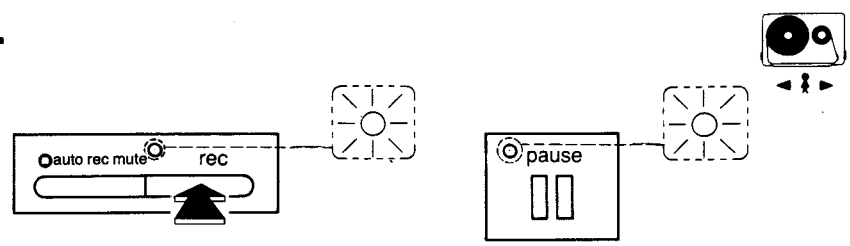


- See page 15.
- Voir page 22.
- Siehe Seite 29.
- Zie naar blad 36.
- Ved pag 43.
- Se sid 49.
- Se side 54.
- Véase en la pag 61.

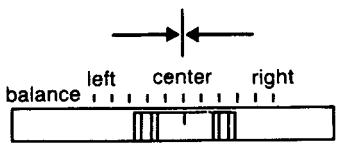
3 Set to the front side.



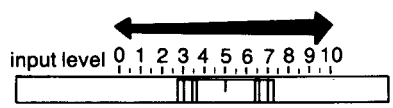
4



5

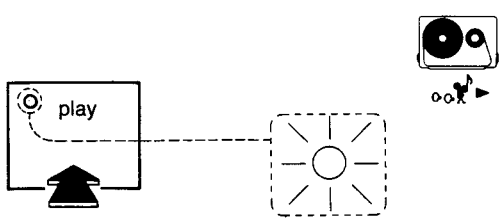


6 Set input levels.

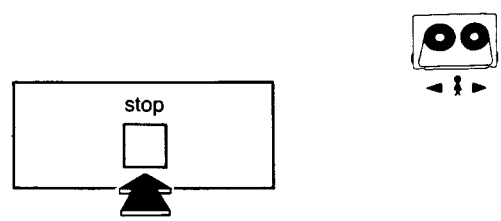


- See page 15.
- Voir page 22.
- Siehe Seite 29.
- Zie naar blad 36.
- Ved pag 42.
- Se sid 48.
- Se side 54.
- Véase en la pag 61.

7



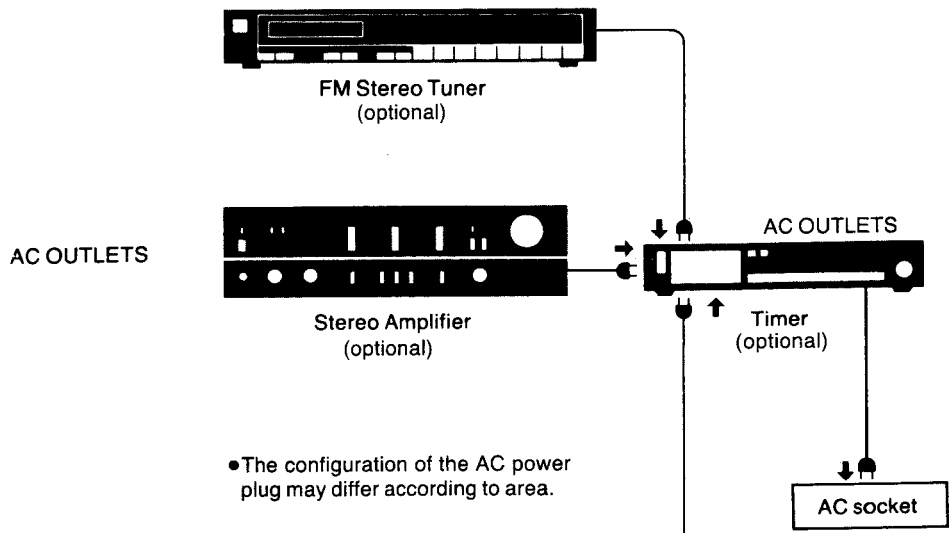
8



9

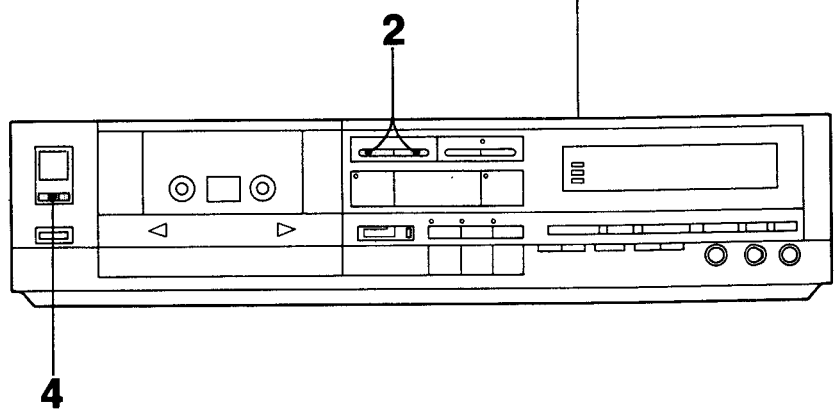
- **TIMER RECORDING AND PLAYBACK**
- **ENREGISTREMENT ET LECTURE AVEC MINUTERIE**
- **AUFNAHME UND WIEDERGABE MIT EINER SCHALTUHR**
- **OPNAME EN WEERGAVE MET BEHULP VAN EEN SCHAKELKLOK**
- **REGISTRAZIONE E RIPRODUZIONE USANDO IL "TIMER"**
- **INSPELNING OCH AVSPELNING MED TIDUR**
- **INDSPILNING OG AFSPILNING MED PROGRAMUR**
- **REPRODUCCION Y GRABACION USANDO EL TEMPORIZADOR**

- Connections to the power source
- Connexions a l'alimentation
- Anschluß ans Netz
- Aansluitingen aan het voedings net
- Connessioni alla sorgente elettrica
- Nätanslutning
- Tilslutningsmuligheder på strøm for syning
- Connexiones a la fuente de alimentación



- The configuration of the AC power plug may differ according to area.

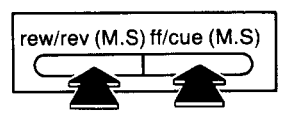
■ **Playback with a timer**
■ **Lecture avec minuterie**
■ **Wiedergabe mit einer Schaltuhr**
■ **Weergave met behulp van een schakelklok**
■ **Riproduzione con "timer"**
■ **Avspelning med tidur**
■ **Afspilning med programur**
■ **Grabación usando el temporizador**



1

- Perform the operations in section 7. 1~5.
- Effectuer les opérations de la Fig. 7. 1~5.
- Die in Abb. 7. 1~5. gezeigten Bedienungsvorgänge ausführen.
- Volg de aanwijzingen in Fig. 7. 1~5.
- Effettuare le operazioni della Fig. 7. 1~5.
- Förfar enligt Fig. 7. 1~5.
- Betjen apparatet som vist på Fig. 7. 1~5.
- Efectuar las operaciones indicadas en la Figura. 7.1~5.

2



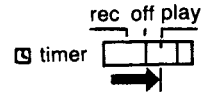
- Stop the tape exactly where you want it to start.

3 Set the timer to the desired time.

Timer

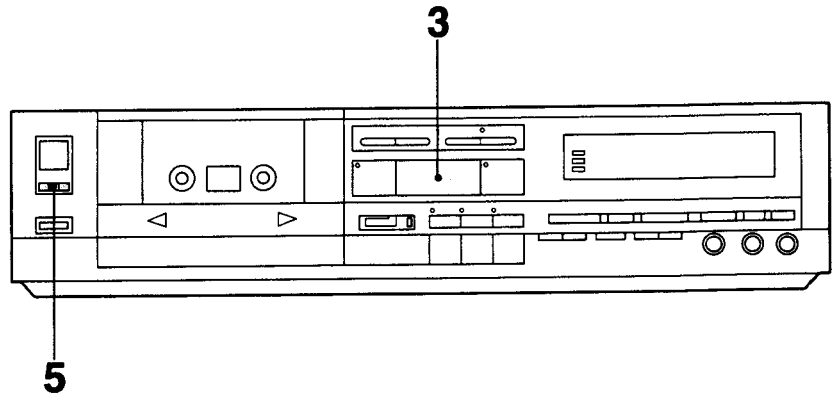
- See page 17.
- Voir page 24.
- Siehe Seite 31.
- Zie naar blad 38.
- Ved pag 44.
- Se sid 50.
- Se side 56.
- Véase en la pag 63.

4

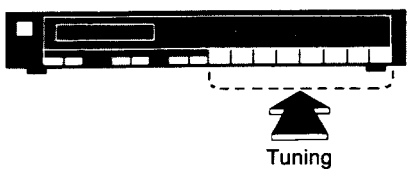


At the desired time, the timer playback will begin.

- **Recording with a timer**
- **Enregistrement avec minuterie**
- **Aufnahme mit einer Schaltuhr**
- **Opname met een schakelklok**
- **Registsrazione con "timer"**
- **Inspelning med tidur**
- **Indspilning med programur**
- **Reproducción usando el temporizador**



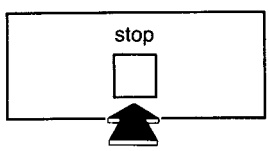
1 Select desired radio station.



2

- Perform the operations in section 8.1~6.
- Effectuer les opérations de la Fig. 8.1~6.
- Die in Abb. 8.1~6, gezeigten Bedienungsvorgänge ausführen.
- Volg de aanwijzingen in Fig. 8.1~6.
- Effettuare le operazioni della Fig. 8.1~6.
- Fortar enligt Fig. 8.1~6.
- Betjen apparatet som vist på Fig. 8.1~6.
- Efectuar las operaciones indicadas en la Figura. 8.1~6.

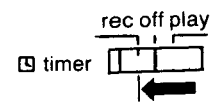
3



4 Set the timer to desired time.

- See page 17.
- Voir page 24.
- Siehe Seite 31.
- Zie naar blad 38.
- Ved pag 44.
- Se sid 50.
- Se side 56.
- Véase en la pag 63.

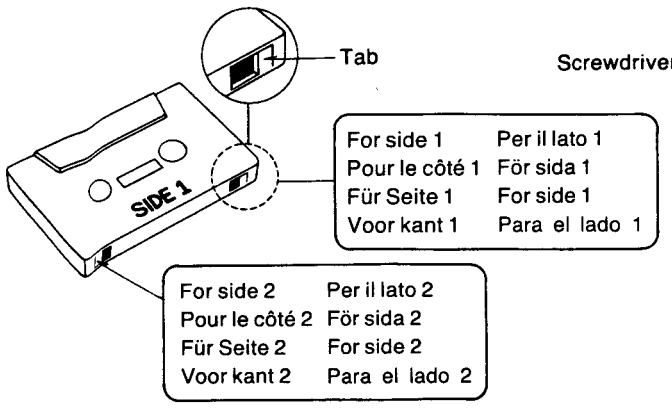
5



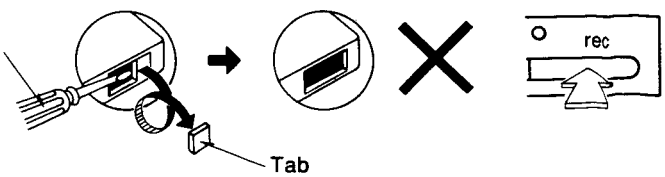
At the desired time, the timer recording will begin.

10

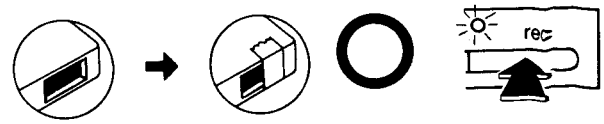
- **ACCIDENTAL-ERASE PREVENTION**
- **DISPOSITIF DE PREVENTION D'ENREGISTREMENT**
- **LÖSCHSCHUTZVORRICHTUNG**
- **VOORKOMEN VAN ABUSIEVELIJK WISSEN**
- **PREVENZIONE CANCELLAMENTO ACCIDENTALE**
- **SKYDD MOT OAVSIKTLIG RADERING**
- **BESKYTTELSE MOD SLETNING**
- **PREVENCION DE BORRADOS ACCIDENTALES**


Tab
SIDE 1
For side 1 Per il lato 1
Pour le côté 1 För sida 1
Für Seite 1 For side 1
Voor kant 1 Para el lado 1
For side 2 Per il lato 2
Pour le côté 2 För sida 2
Für Seite 2 For side 2
Voor kant 2 Para el lado 2

■ **Record prevention**



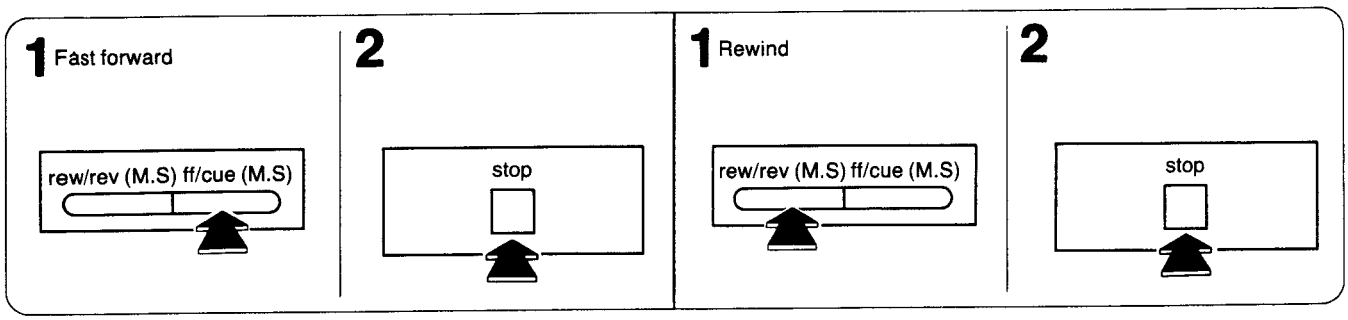
■ **New recording**



Cover hole with cellophane tape

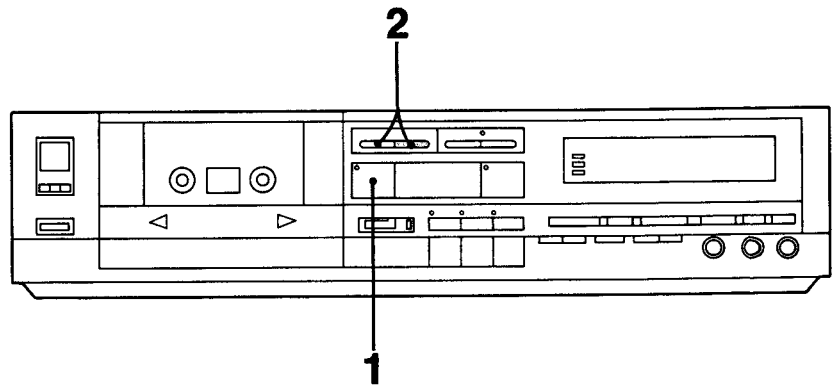
11

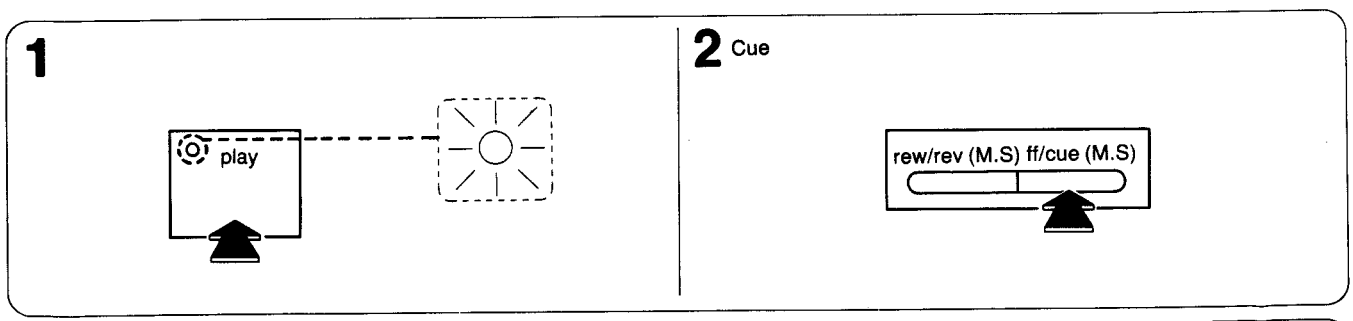
- **FAST FORWARD AND REWIND**
- **BOBINAGE RAPIDE ET REBOBINAGE**
- **SCHNELLVORLAUF UND RÜCKLAUF**
- **SNEL OPSPOELEN EN TERUGSPOELEN**
- **AVVOLGIMENTO RAPIDO E RIAVVOLGIMENTO**
- **FRAM- OCH ÅTERSPOLNING**
- **HURTIG FREMSPOLING OG TILBAGESPOLING**
- **PASO RAPIDO Y REBOBINADO**

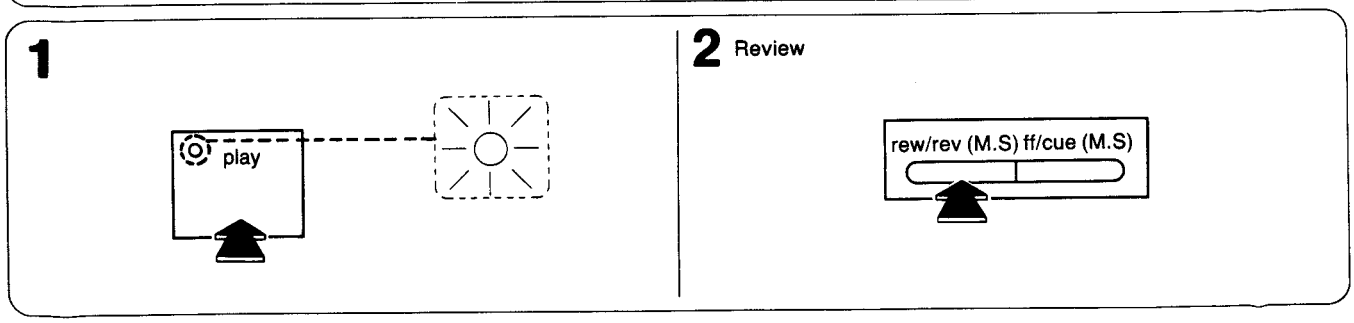


12

- **CUE AND REVIEW**
- **SONDAGE AVANT ET SONDAGE**
- **CUE UND REVIEW**
- **MEELUISTEREN EN HERVATTEN**
- **SEGNALIZZAZIONE E REVISIONE**
- **MEDHÖRNING VID SNABBSPOLNING**
- **MEDHØR UNDER FREM OG TILBAGESPOLING**
- **LOCALIZACION PRO-GRESIVA Y REVISTA**

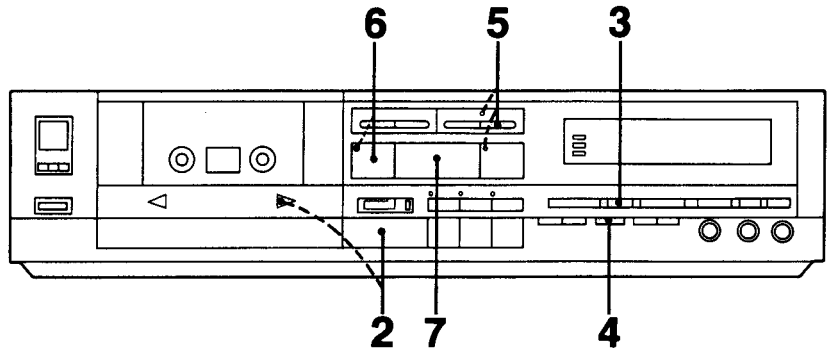






13

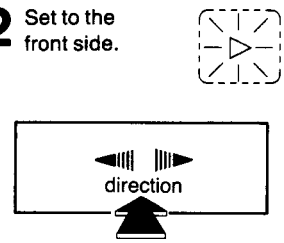
- **ERASING**
- **EFFACEMENT**
- **LÖSCHEN**
- **WISSEN**
- **CANCELLATURA (del nastro)**
- **RADERING**
- **SLETNING**
- **BORRADO**



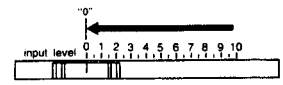
1

- Perform the operations in section 6.
- Effectuer les opérations de la Fig. 6.
- De in Abb. 6 gezeigten Bedienungsvorgänge ausführen.
- Volg de aanwijzingen in Fig. 6.
- Effettuare le operazioni della Fig. 6.
- Forfar enligt Fig. 6.
- Betjen apparatet som vist på Fig. 6.
- Efectuar las operaciones indicadas en la Figura. 6.

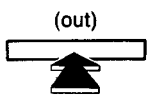
2 Set to the front side.



3 Set to the minimum position.

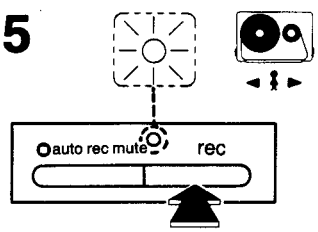


4



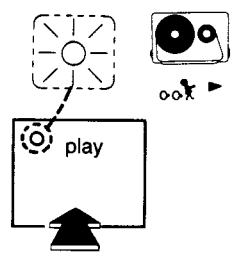
Noise Reduction

5

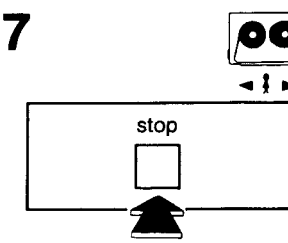


- Pause Indicator illuminates too.

6



7

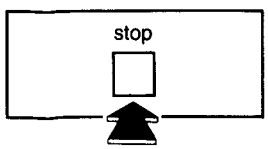


14

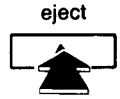
- **MAINTENANCE**
- **ENTRETIEN**
- **WARTUNG**
- **ONDERHOUD**
- **MANUNTENZIONE**
- **VÅRD**
- **VEDLIGEHOLDELSE**
- **MANTENIMIENTO**

- Cleaning the head section
- Nettoyage des têtes
- Reinigen des Tonkopfteils
- Reinigen van de koppen
- Plizia del traferro della testina
- Rengöring ab bandhuvuddelen
- Rensning of tonehaveddeln
- Limpieza de la sección de las cabezas

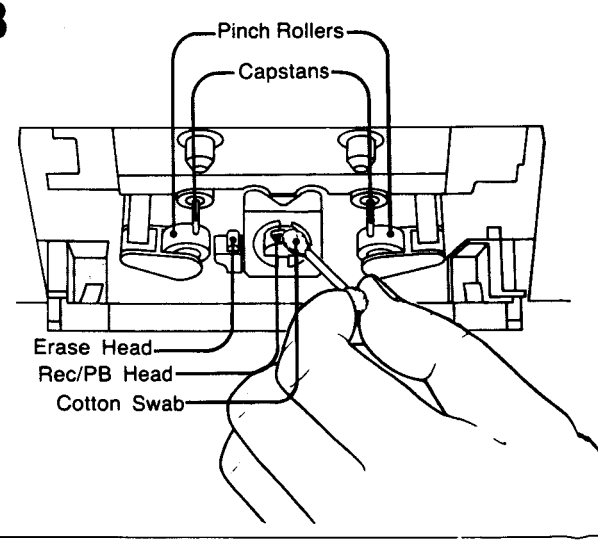
1



2 Press to open the Cassette Holder.



3



ENGLISH

We want to thank you for selecting the model RS-B58R Technics cassette tape deck for your recording and playback enjoyment. To obtain the maximum benefit of the many features of this deck, please read these operating instructions carefully.

OPERATION NOTES

Horizontal placement
For best performance, place this unit in a horizontal position.

Location
Performance may be adversely affected by extremely hot [above 100°F. (35°C.)] or extremely cold [below 40°F. (5°C.)] locations, direct sunshine, or excessive vibration.

Power source
This unit features a DC operated motor which makes it possible to operate on 50 Hz or 60 Hz AC power frequency without any conversion. The voltage source should be within ±10% of the unit's rated voltage. Variations in excess of ±15% of rated voltage may cause uneven performance, or possible damage to the unit.

Clean the head assembly
One of the most important factors in the determination of good tape deck performance is regular cleaning of the head assembly.

Refer to section 1.

ABOUT CASSETTE TAPE

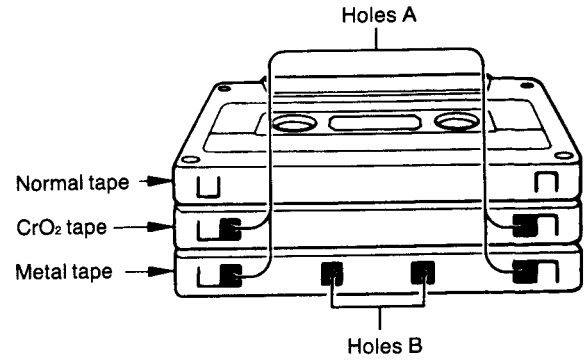
- Do not pull the tape out of the cassette openings.
- If the tape is loose in the cassette, the tape may become wound onto the Pinch Rollers and result in breakage or damage. Tighten looseness of the tape, if necessary, by using a pencil as shown in the section 1.
- Avoid using C-120 cassette tape with this unit because this tape can easily become broken, stretched or twisted if not used with extreme care.
- Avoid storing cassette tapes in places where the temperature is high and/or where the humidity is high.
- If the tape is very tightly wound or unevenly wound, fast forward it and then rewind it before use.

Refer to section 2.

AUTO TAPE SELECTOR FUNCTION

The auto tape selector function automatically selects the types of tape as soon as a tape is loaded, and it sets the bias and equalization.

Detection holes of various tapes



Tapes permitting automatic setting of bias and equalization

Type of tape	Tape indicator lighting	Equalization	Bias
Normal tape	Normal	120 μs	Low
CrO_2 tape (with holes A)	CrO_2	70 μs	High
Metal tape (with holes A and B)	Metal	70 μs	Metal

1. "Metal" lights when no tape has been loaded.
2. Do not record sound onto Metal tapes which are not provided with holes B (since this will result in a recording with a high proportion of distortion).
   Playback is perfectly normal even if there are no holes B. (Equalization is 70 μs, the same as for a CrO_2 type tape. In this case, the "CrO_2" Tape Indicator lights.)

- Do not use ferri-chrome (Fe-Cr) tapes with this unit.

Refer to section 3.

METAL TAPE

A word about "Metal tape"
Conventional cassette tapes can be broadly classified into 2 categories according to the magnetic material coated on the tape surface: the ferric-oxide (γ-Fe_2O_3) type, including ordinary LH tape, etc.; and the chromium-dioxide (CrO_2) type, including XA tape, etc.
Continued technological advances have been made in an attempt to develop these tapes to a high level of performance, but recently there has been a recognized need for the development of a new material to improve performance much further.
In response to this need, "Metal tape" has been developed as a new kind of tape, employing a magnetic alloy of pure iron (Fe) as the main component in the magnetic substance. In comparison with conventional cassette tape, "Metal tape" can record a far greater amount of information at a high density. As a result, the maximum output level (MOL) has been improved throughout the entire range, and, in particular, the frequency response characteristics at high levels and the dynamic range in the high range have been greatly improved. This means, therefore, that a remarkable improvement of sound quality has been made possible. (It should be noted that the tape base and parts of the tape other than the magnetic substance are composed of the same material as previously used.)

Refer to section 4.

CONNECTION NOTES

Connections should be made in accordance with the connection diagram and the following instructions: When 2 microphones are used in order to record in stereophonic sound, be sure both of them have the same performance and specification standards.

Location of this unit and stereo amplifier

If this unit is placed on top or next to the stereo amplifier, a "hum" noise may be heard during tape playback. Refer to the information below in order to avoid this.

- If the stereo amplifier and this unit are placed one above the other, leave as much space as possible between them, and place them where there is the least amount of hum.
- If the stereo amplifier and this unit are placed one beside the other, try reversing their positions, and place them where there is the least amount of hum.

A "click" noise may be heard when the Power Switch is turned on or off. To avoid this, be sure to set the volume control of the amplifier to the minimum position.

Refer to section 5.

CONTROLS

① Fast Forward/Cue Button [ff/cue (M.S)]

② Rewind/Review Button [rew/rev (M.S)]

③ Play Button and Indicator [play]

④ Tape Counter and Reset Button [tape counter-reset]

⑤ Blank Skip Button and Indicator [blank skip]

⑥ Music Select Button and Indicator [music select]

⑦ Record Muting Button [auto rec mute (O)]

⑧ Record Button and Indicator [rec]

⑨ Stop Button [stop (■)]

⑩ Pause Button and Indicator [pause (❚❚)]

⑪ Music Repeat Button and Indicator [music repeat]

⑫ Power Switch [power (push on)]

⑬ Cassette Holder

⑭ Remaining Tape Display Light

⑮ Tape Indicators [Auto Tape Select (Normal • CrO_2 • Metal)]

⑯ Input Level Control [input level]

⑰ FL (fluorescent level) Meters

⑱ Balance Control [balance (L • center • R)]

⑲ Microphone Jacks [mic (left • right)]

⑳ Headphones Jack [phones]

㉑ Noise Reduction Select Switch [Noise Reduction (Dolby NR C • B • out • dbx tape • disc)]

㉒ Mode Select Buttons [⇄ • ⊃ • ⊂]

㉓ Timer Start Switch [timer (rec • off • play)]

㉔ Eject Button [eject (⏏)]

㉕ Tape Recording/Playback Side Indicator [forward • reverse]

㉖ Direction Button [direction (◀▶)]

Refer to section 6.

CASSETTE INSERTION AND REMOVAL

- Be sure the cassette is placed so that the edge with the holes is facing downward.
  The Cassette Holder cannot be closed if the cassette is inserted incorrectly.
  Be sure to close the Cassette Holder gently.
- The Tape Indicator corresponding to the type of tape used lights.
- The operation buttons of this unit will not function if they are pressed while the Cassette Holder is open.
- This deck does not allow the tape to be ejected when it has been set to the recording, playback or pause mode. Therefore do not press the Eject Button while the tape is running or while the deck is set to the pause mode.
- Since the heads will remain raised when the power is switched off during playback, and recording operations, the tape cannot be ejected even if the Eject Button is pressed. In cases like this, first switch the power on again and then press the Eject Button.

Function buttons

This model comes with soft fingertip touch controls for enhanced operational ease.
When two or more function buttons have been pressed, the operation mode of the button pressed first takes precedence, and the deck will not be transferred to the mode corresponding to the button that was pressed afterward. This is to prevent malfunctions arising from improper operation.
When a button has been pressed, the deck will not be transferred to the corresponding mode unless 0.3 sec. has been left as the interval between selection.
In cases like this, the deck will enter the desired mode when the button is pressed again. This is to ensure that the operations of the mechanism are stable and reliable.

Automatic stop operation

During recording, fast forward or rewinding, the tape deck automatically returns to the stop mode when the tape reaches the end.

Refer to section 7.

PLAYBACK

•Note that the operation buttons will not function until about 5 seconds have passed after the power is turned on. The muting circuitry is used in order to make playback starts better.

The reverse function

The front side (visible side) or the reverse side can be played back without having to turn the cassette tape around.

Direction Button

Switches the tape travel direction (forward playback or reverse playback) during stop mode or playback.

•At this time, Tape Recording/Playback Side Indicator will indicate the travel direction.

Operating the Mode Select Buttons

The Mode Select Buttons can be used to select any of 3 tape modes.

Non-reverse mode

Press the ⇄ Button.

Playback is possible in the forward or reverse direction only.

In this case, the auto stop mechanism functions at the leader tape end and the tape stops automatically.

Auto reverse mode

Press the ⇆ Button.

Automatically switches the travel direction of tape when playback has completed in forward playback (or reverse playback) direction, and commences playback. Tape stops automatically at the end of tape.

Auto-continuous mode

Press the ↻ Button.

When the tape has wound to the hub during playback, the repeat automatic reverse mechanism operates and the tape playback side is automatically changed.

Until the Stop Button is pressed, the front side changes to the reverse side, the reverse side to the front side. The operation is repeated 8 times and then automatically stops.

Note:

•When the Mode Select Buttons is not pressed, unit is auto-reverse mode.

Blank skip playback

During playback, a relatively long unrecorded part (11 seconds over) can be skipped and the next piece of music played back.

1. Press the Blank Skip Button to operate the blank skip function.

If you know that the tape you wish to playback has a long unrecorded portion, press this button before playing back. (The button may also be pressed during playback when a seemingly long unrecorded portion appears.)

•When the tape reaches the unrecorded portion, the fast forward operation functions for approximately 11 seconds and the portion is skipped.

2. If you wish to stop the tape, press the Stop Button.

•When the blank skip function operates, playback is performed continuously until the Stop Button is pressed. (If not pressed, the operation is repeated at most 8 times both ways and then stops.)

•Even if the Blank Skip Button is pressed, if there is no long unrecorded portion, the repeat automatic reverse function operates and after playback is repeated at most 8 times, the tape deck automatically returns to stop mode.

3. Cancelling the blank skip function

•Press the Blank Skip Button once again.
(The tape stops if the Stop Button or Pause Button are pressed, but the blank skip function is not cancelled.)

•Set to the recording mode.

Note:

•The blank skip function can be used in combination with the music selector or music repeat operations.
When used as above, the music selector or music repeat operations have priority.

•The music selector and music repeat operations cannot be used simultaneously.

•If the blank skip function is operated using a completely unrecorded tape, the repeat automatic reverse function operates in the fast forward mode (whichever tape side is played). If you wish to stop the tape, press the Stop Button.
This operation can be used to find out whether the tape contains a recorded portion or not.

Playback using the music repeat operation

Using this function, any tune on the tape can be played back repeatedly.

1. Press the Music Repeat Button to operate the music repeat function.
(When this button is pressed, the Music Repeat Indicator lights up.)

2. Press the Play Button at the beginning of the tune you wish to listen to or at a point during the tune.

3. The desired tune is played back repeatedly.
To stop the playback, press the Stop Button. (The Music Repeat Indicator goes out). Even if the Stop Button is not pressed, the tape will automatically stop after 15 repeats.

•If the Music Repeat Button is pressed immediately(within 3 seconds) of the previous tune ending, the previous tune is repeated.

4. To Cancel the music repeat operation

•Press the Music Repeat Button once again.

•When the Music Selector Button is pressed.

•When any of the function buttons, except the Play Button, are pressed. (Rewind/Review Button, Fast Forward/Cue Button, Pause Button, Stop Button)

Music selector

The music selector function automatically finds the start of a program when the Rewind or Fast forward/cue Button is pushed during playback and it starts playback again from that position.

When listening to the program after the program just heard

Push the Fast forward/cue Button between programs or in the middle of a program. (At the next program interval, the Fast forward/cue Button will be released, and the unit will return to the play mode).

When listening again to the same program just heard repeat play.
Push the Rewind/review Button between programs or during a program. (At the next program interval, the Rewind/review Button will be automatically released, and the current program will be played again from the beginning).

Notes:
- When the Music Selector Button is pressed, the Music Selector Indicator lights up until the end of the introduction to the tune.
- This may not operate correctly with the following kinds of tape: programs with passages of extremely low volume level, music tapes with non-recorded passages, recordings with sections of fade-in or fade-out recording.
- Unrecorded blanks of about 4 seconds in length between the program must be created in order for the music selector function to work properly.
  The function may not work if the blanks are too short.
  The function may not work properly with prerecorded music tapes which have passages where the sound level is particularly low or which have passage of unrecorded sound.
- In cases such as classic music, when a low level of sound continues in the program.
- When recording from microphones, since surrounding sounds are recorded, the music selector function may not operate properly.
- Always set the Music Selector Switch to "off" after a music selector operation.
- If the Rewind/review Button is depressed immediately after the program start has been found and playback has begun, the tape may go beyond the program start and not stop at the interval between programs.

Refer to section 8.

RECORDING

Record Button
When the Record Button of this unit is pressed, the deck automatically enters the "rec. pause" mode and the Recording Indicator and Pause Indicator light. This is to facilitate the adjustment of the recording level with the Input Level Controls.
Press the Play Button to start recording.

Record level setting
- Adjust the recording level while observing the lighting of the Fluorescent Level Meters and refferring to the set level table below.

Noise Reduction (NR)	Normal Tape CrO_2 Tape	Metal Tape
dbx	+6 dB (+8)	+8 dB (+12)
Dolby NR B•C NR out	+4 dB (+6)	+6 dB (+8)

- The level meter may light momentarily as far as the level indicated in parentheses ( ) without causing any complications in the setting.

Balance Control
When the Fluorescent Level Meters light to indicate a difference in input level between the left and right channels, a proper balance can be achieved with this control.
The right channel level is reduced when the control is slid toward "left" and the left channel level is similarly reduced when it is slid toward "right".
Normally, the control is set to the center click position. This control does not function during playback.

Fluorescent meter display and function
- The meter scale is designed for easy use with possible indication ranging from "−40 dB" to "+18 dB".
- The meter indicates the music signal peaks. The meter responds sensitively to pulsive sound such as that from percussion instruments. It has a peak hold function (auto reset type) which holds the peak level on the meter for about 2 seconds. This makes it easy to read out momentary peak levels.
- Three colors are used for the actual indication: white as far as "0 dB", orange from "0 dB" to "+8 dB" and red for more than "+8 dB".
- The red bar lights when the Noise Reduction Select Switch is set to " dbx ".

Auto input
- When a microphone is connected to the Microphone Jack, recording can be made through the microphone.
- Recording can be made from other sound sources (from LINE IN Jacks) if the microphone is disconnected from the Microphone Jack.

Notes:
- When only one microphone is connected at the left or right, the line input at the connected side is cut off. When recording with one microphone, the line inputs at both sides are cut off once the balance control is slid to the side (left or right) at which the microphone has been connected.

Monitoring
To listen to the recording as it is being made, simply connect stereo headphones (8Ω~600Ω) to the Headphones Jack. You may also listen to the programm being recorded if your receiver or amplifier is equipped with a tape-monitor switch.
In the same way as for playback, an amplifier can also be used for monitoring.

Automatic record muting
When the Record Muting Button is pressed once (press and release the finger immdiately), an unrecorded portion of approximately 4 seconds is automatically created, after which the tape deck is set at recording standby mode. If the Record Muting Button is pressed once again within 4 seconds, a further unrecorded portion of approximately 4 seconds is created, after which the tape deck is set at recording standby mode.
- If the Record Muting Button is kept pressed for over 4 seconds, an unrecorded portion (the length of which corresponds to the time the button was pressed) is created. When the finger is removed, the tape deck is set at recording standby mode.

NOISE REDUCTION SYSTEMS

Why use a noise reduction system?
When tapes are played back, the hiss which is inherent to the tapes is rather irritating but this noise can be greatly reduced by recording and playing back the tape through a noise reduction system.

This unit is provided with three such systems (dbx NR, Dolby NR Type B and Dolby NR Type C) and so the preferred system can be used in line with the stereo equipment being used.

Typical applications

Dolby Type B Noise Reduction
This is used to provide compatibility with conventional decks and to play back prerecorded music tapes which have been recorded with the Dolby NR system.

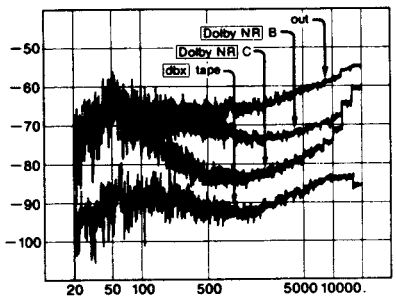
dbx/Dolby Type C Noise Reduction
- For recording from program sources with a high signal-to-noise ratio and providing master tapes for building up a tape library.
- For playing back tapes which have been recorded using the dbx system or the Dolby NR Type C system.
- For playing back prerecorded music tapes or discs which have been made using the dbx NR system (" dbx " position).

Use the system which you think best suits your purposes.
In order to make the most of the features of these noise reduction systems, select a recording source which has a good signal. It is not possible to reduce the amount of noise contained in the program source using the noise reduction system.

Noise reduction effects with NR systems

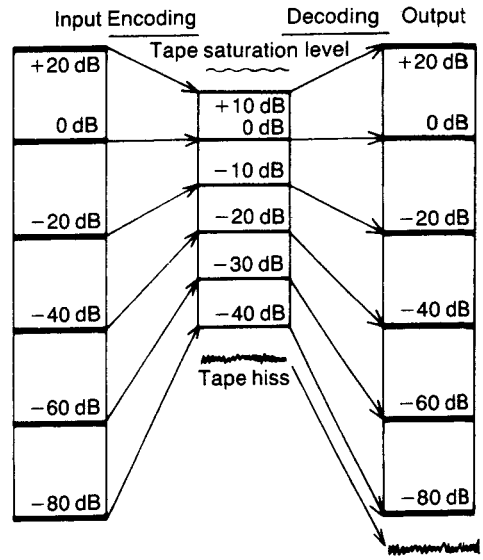
The noise reduction effect yielded by the Dolby NR Type B system is about 10 dB in the high-frequency range, about 20 dB by the Dolby NR Type C in the mid- and high-frequency ranges and more than 30 dB by the dbx NR system across the entire frequency spectrum.

Noise Levels Produced by the NR Systems



dbx Noise Reduction

dbx is a noise reduction system which expands the dynamic range by compressing (or encoding) and expanding (or decoding) the signals across the entire frequency spectrum. As in the figure, the input signal level is compressed to half during recording and the signals are recorded onto the tape. During playback, the signals which were compressed to half are expanded 2-fold so that they are restored to the original signals. Strong signals are greatly expanded and weak signals are expanded in a small way so that the dynamic range is greatly improved and, at the same time, the tape hiss is greatly reduced.



Encoding/decoding process Tape hiss

Dolby Noise Reduction

The Dolby Noise Reduction system functions to boost the high-frequency parts and record them at a low level and then reduce the level by an amount equivalent to the rise during recording when the tape is played back. In this way, the tape noise is reduced by the amount equivalent to this reduced level.
- The Dolby NR Type B system is effective for high-frequency range noise, it reduces the tape hiss and expands the dynamic range.
- The Dolby NR Type C system is effective for frequencies starting with the mid-range and it displays a much better noise reduction effect than Dolby NR Type B.
  This system has a built-in anti-saturation network. By passing the signals through this circuit, the saturation level of the tapes is improved (by about 3.5 dB at 10 kHz for the tape saturation characteristics [MOL]), and the high-range distortion is reduced.

Since the noise reduction system reduces noise only when the signals are passed through the system during both recording and playback, the Noise Reduction Select Switch must be set to the same position during playback as for recording.
- It's a good idea to make a note of the position used during recording on an index card.

Noise Reduction Select Switch

- dbx tape: Used for dbx NR recording and for replaying dbx NR recorded tapes.
- dbx disc: Used for playing dbx NR encoded discs on a turn table and for recording such discs.
- Dolby NR B: When recording with the Type B Dolby Noise Reduction system and for playing back such tapes.
- Dolby NR C: When recording with the Type C Dolby Noise Reduction system and for playing back such tapes.
- out: For ordinary recording and playback.

"disc" position for "dbx encoded discs"

This unit comes with a " dbx disc" position on the Noise Reduction Select Switch for playing "dbx encoded discs" .

Playing "dbx encoded discs"

Operate in the following sequence:

1. Set the input selector on the stereo amplifier to the "tape" position and the record selector to the "phono" position. If the amplifier is capable of tape monitor selection, set the tape monitor switch to the "tape" position and the input selector to the "phono" position.
2. Set the unit to the stop mode and then set the Noise Reduction Select Switch to the " dbx disc" position.
   Disconnect the microphone if one has been connected to the unit.
3. Start operating the turntable.
4. Adjust the unit's Input Level Control so that the flourescent level meter illumination indicates around "0 dB".
5. Adjust the volume using the control on the stereo amplifier.

- Some dbx-encoded open-reel tapes are sold in audio shops. When playing back these tapes, it is possible to connect the open-reel deck and use the tapes with the same operation as for records.
- Do not set the Noise Reduction Select Switch to the " dbx disc" position during tape playback since the sound will then no longer be heard.

Recording "dbx encoded discs" onto tape

1. Set the Noise Reduction Select Switch to the " dbx disc" position.
2. Adjust the recording level, following the "Recording level setting" instructions.
3. Start the recording.

- The sound of the disc is recorded on the tape still in encoded (compressed) form. The decoded (expanded) sound can, however, be monitored (through both the speakers connected to the amplifier and headphones connected to the unit). When playing back a tape which has been recorded in this way, set the Noise Reduction Select Switch to the " dbx tape" position.
- Unlike ordinary records, "dbx encoded discs" have their sound dbx encoded (compressed) when it is cut into the sound grooves. This means that for replay, the sound must be returned to its original form through a decoder (expander). As a result, the noise level is reduced and the dynamic range is increased for a higher record play quality.

Refer to section 9.

TIMER RECORDING AND PLAYBACK

- Set the timer to the desired time. (The power to the amplifier, tape deck and tuner will then be turned off.)
  Refer to the operating instructions of the timer for further information.
- Set the Timer Start Switch to "play" or "rec". At the preset time the power is switched on and timer playback or recording is performed automatically.

Notes:

- When using the timer for recording or playback operation, remember that the muting circuit is activated for about 5 seconds after the power has been switched on and that the deck will not work during this interval.
- Make sure that the Timer Start Switch is kept at the "off" position if you do not intend to use the timer recording or timer playback function.
- Start from the front side of the tape when performing timer recording or playback.

Refer to section 11.

FAST FORWARD AND REWIND

- To advance the tape, whether you are playing back the front or reverse side, press the Fast Forward/Cue Button. To return the tape to the beginning, press the Rewind/Review Button.

Refer to section 12.

CUE AND REVIEW

When the Fast Forward/Cue Button (or Rewind/Review Button) is pushed during playback, the playback sound can be monitored through the speaker as the tape is sent forward (backward).

- Reduce the volume level of the stereo amplifier before performing the "cue" or "review" operation. If the volume is too high, the tweeters in the speaker systems may be damaged.

Refer to section 14.

MAINTENANCE

Cleaning the head section

Because the head assembly and the Capstan are in constant contact with the moving tape, dirt or residue from the tape on these parts will decrease the sound quality. They should be cleaned after every 10 hours of use, as shown in section 14.

Notes:

- Don't allow magnetic materials, such as a screwdriver or a magnet, near the head assembly.
- When cleaning, be careful not to bend the tape guides.
- Don't attempt to clean the cabinet with alcohol, benzine or thinner, because it may damage the finish. If the cabinet is dirty, clean with a soft cloth dampened with a soap-and-water solution.

AC Cord replacement

Requires a special tool at a service station.

TROUBLESHOOTING

If operation of this unit does not seem normal, check the following points before requesting service. If the trouble cannot in this way be determined and corrected, contact the dealer from whom the unit was purchased, or check the Service Information that comes packed with the unit.

After the cassette tape is inserted, the tape does not move when the Play Button is pushed.
- Is the AC Power Cord correctly connected?
- Is the Power Switch pushed in to the "on" position?

Sound is louder through the left or right channel.
- Is the Balance Control set properly for recording?

Although the tape moves, no sound is heard.
- Is the tape blank?
- Is the Noise Reduction Select Switch set incorrectly?

Sound is distorted.
- Is the recording level too high?

The Record-indicator does not illuminate when the Record Button is pressed.
- Have the recording-prevention tabs of the cassette been removed?
- Is the recording-direction at reverse?

Playback sound is hoarse or vibrates. Recorded sound is not clear.
- Are the head surfaces dirty?
- Is foreign material adhered to the Pinch Roller and/or the Capstan?
- Are you using a "Metal tape" without the tape detection holes? (Refer to "AUTO TAPE SELECTOR FUNCTION" on page 12.)
- Are you using a Fe-Cr tape?

FRANÇAIS

Nous vous remercions d'avoir choisi la platine magnétophone RS-B58R de Technics pour vos enregistrements et vos reproductions. Pour exploiter au maximum les nombreuses possibilités de cette platine, nous vous prions de lire attentivement ces instructions d'utilisation.

PRECAUTIONS A PRENDRE

Emplacement horizontal
Afin d'obtenir la mitlleure performance, placer cet appareil en la position horizontale.

Endroit
La performance de cet appareil peut être malheureusement affectée par les endroits extrêmement chauds (audessus de 35°C) ou extrêmement froids (en-dessous de 5°C), par les rayons directs du soleil, ou par de tres fortes vibrations.

Alimentation
Cet appareil est caractérisé par un moteur commandé par CC (courant continu) qui rend possible son fonctionnement sur 50 Hz ou 60 Hz en CA (courant alternatif) sans effectuer de changement. La tension de la source doit se situer à +10% de la tension nominale de l'appareil. Les variations excédant ±15% de la tension nominale risquent de causer une performance irrégulière, ou d'endommager l'appareil.

Nettoyage des têtes
L'un des éléments les plus importants pour permettre le bon rendement d'un magnétophone est le nettoyage régulier des têtes.

Se reporter à la fig. 1.

LES CASSETTES

- Ne jamais extraire la bande par l'ouverture de la cassette.
- Si la bande est desserrée dans la cassette, elle risque de s'enrouler sur le galet presseur, ce qui peut la couper ou l'endommager, si la bande est desserrée, la resserrer au moyen d'un crayon comme indiqué sur la figure 1.
- Ne pas utiliser les cassettes C-120: la bande se rompt ou s'étire trop facilement.
- Ne pas ranger les bandes en un endroit où la température ou l'humidité est élevée.
- Si la bande est enroulée trop serrée ou inégalement, la rebobiner rapidement puis la rebobiner avant de l'utiliser.

Se reporter à la fig. 2.

FONCTION DE SELECTION AUTOMATIQUE POUR LA BANDE UTILISÉE

Le sélecteur automatique de bande a pour fonction de déterminer automatiquement le type de la bande dès qu'elle est introduite dans le logement, et d'en régler la polarisation et l'égalisation.